



Fire Protection for Piping Systems PYROSTAT®-UNI



PYROSTAT®-UNI: the fire wall multi-talent

PYROSTAT®-UNI is the allrounder for your piping systems: In the event of a fire, the bandage foams up and forms an impenetrable barrier for fire and smoke. With this fire protection bandage, almost all standard piping can be sealed off – in solid walls/ceilings just as easily as in thin partition walls.

In addition to high reliability, PYROSTAT®-UNI also offers a particularly wide scope for creativity in design: The different insulation materials can be used on the widest variety of piping – providing fire safety, flexibility and, where required, even retrospective installation.

Universally deployable

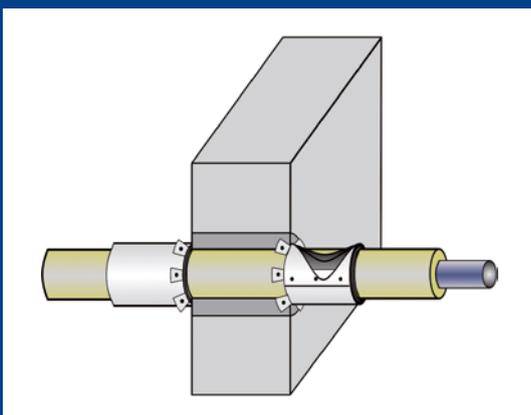
PYROSTAT®-UNI not only eliminates the need to change insulation material in the area where it is being implemented, which has been standard procedure in the past – especially for thermal insulation – but with our fire protection tape, fire walls for flammable plastic or composite plastic pipes can now also be produced, whether the pipes are insulated or not. And: because of its extremely simple installation and limited space requirements, PYROSTAT®-UNI is a particularly flexible system – one which allows for quick installation and leaves plenty of room for the design of the piping geometry. As a result, it offers far-reaching application possibilities in building or thermal technology, in industry and in the processing trade and in specific industries, power plants and refineries.

Fire resistance tests passed

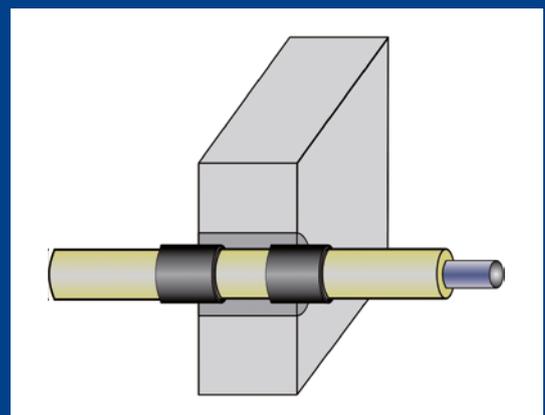
When a fire breaks out, burning pipes or burning insulation materials leave a gap in the wall or ceiling through which fire or smoke can spread. PYROSTAT®-UNI eliminates this threat: the tape foams up when heated and independently turns the gap that occurs during a fire into a closed, smoke resistant and fireproof barrier. In this way, we ensure fire safety and a fire classification of R 90, in some cases up to R 120 according to DIN 4102-11 or EI 120 C/U according to EN 1366-3.

Simply flexible

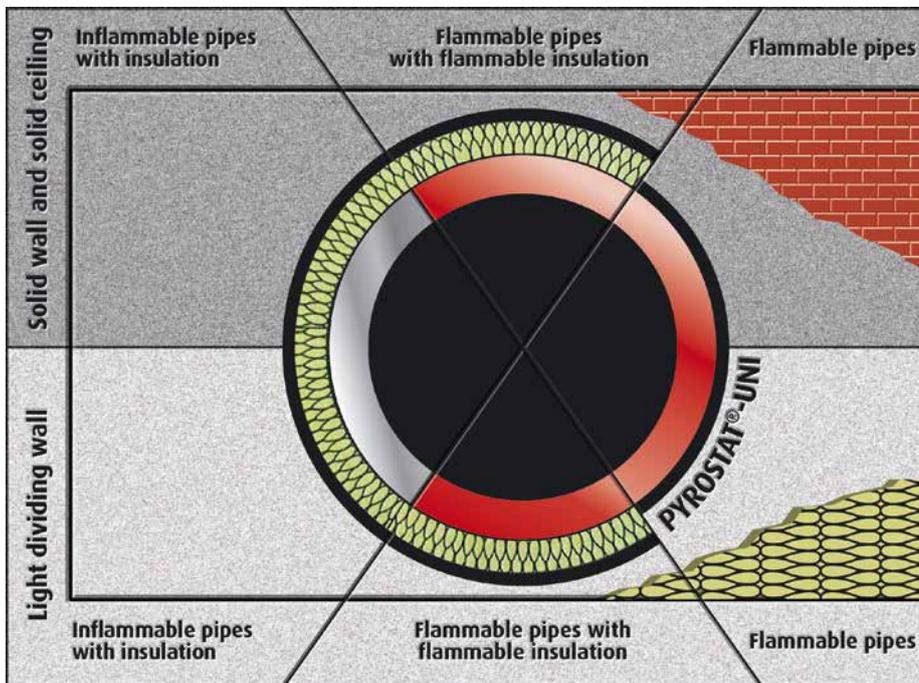
PYROSTAT®-UNI has been approved for pipe diameters of up to 813 millimeters and for insulation thicknesses of up to 100; the tape is suitable for use in solid walls and ceilings as well as in light dividing walls. The fire protection tape itself is only about 1 millimeter thick and as flexible as a strip of rubber. It is delivered as roll material and can be cut to measure on site.



Installation example solid wall
Subsequent installation with sheet-metal
cuffs in front of and behind the wall



Installation example solid wall
Walls and ceilings ≥ 150 mm



Be prepared!

To produce a fire wall on flammable pipes, you do not need to keep different sized cuffs for various pipe diameters. PYROSTAT®-UNI is simply installed in one or two layers between the pipe or pipe insulation and the opening in the wall. A subsequent installation on already existing wall ducts that have been reclassified as fire protection walls is also possible without a great deal of difficulty: the tape is simply applied to the pipe or its insulation on both sides of the wall and covered with a sheet metal cuff. It is no longer necessary to open the wall duct.

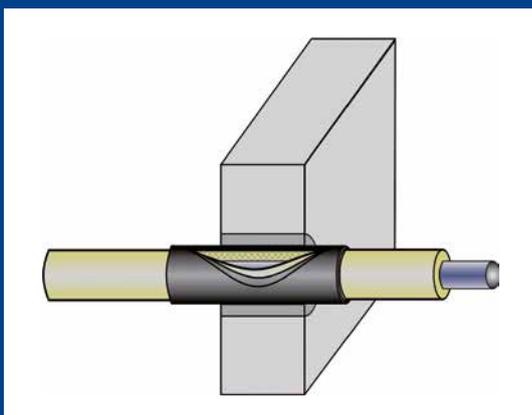


Sizes available:

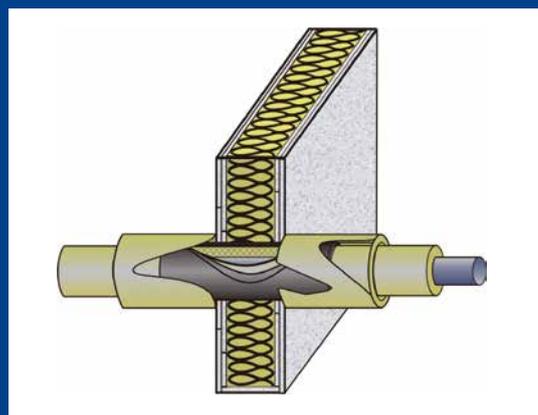
- Width: 125, 150 and 250 mm
- Length: from 10 to 25 m, cutting takes place on site, depending on handling length
- Thickness: 1.1 mm
- Surface weight: approx. 1,200 g/m²

Advantages:

- Machine produced
- No dripping in a fire
- Begins to expand at about 200 °C
- Stabilization and crusting of the carbon foam in case of fire
- Flexible
- Subsequent installation possible
- Extremely limited space requirement
- Simple fastening
- No problem with difficult geometry
- Fire classification R 90 or R 120 according to DIN 4102 part 11
- Fire classification EI 30 to EI 120 C/U and 1366-3



Installation example solid wall
Walls and ceilings 150 mm



Installation example light dividing wall



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